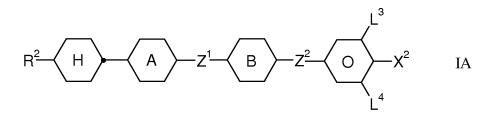
This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

 (Currently Amended) Liquid-crystalline medium based on a mixture of polar compounds of positive dielectric anisotropy, comprising one or more compounds of the formula I

$$R^1 \longrightarrow H \longrightarrow L^1$$
 I

and one or more compounds of the formula IA



where the proportion of the compounds of the formula I in the medium is at least 18% by weight, and in which the individual radicals have the following meanings:

R¹ is an alkenyl radical having 2 to 8 carbon atoms,

is H, an alkyl radical having 1 to 15 carbon atoms which is halogenated, substituted by CN or CF_3 or unsubstituted, where, in addition, one or more CH_2 groups in these radicals may each, independently of one another, be replaced by $-C \equiv C_-$, $-CO_-$, $-CH = CH_-$, $-O_-$, $-CH = CH_-$, $-O_-$, $-CH_-$ or $-CH_-$ in such a way that O atoms are not linked directly to one another,

 X^1 is an alkyl radical, alkenyl radical, alkoxy radical or alkenyloxy radical, each having up to 6 carbon atoms, in the case where a=1 also F, Cl, CN, SF₅, SCN, NCS or OCN,

is F, Cl, CN, SF₅, SCN, NCS, OCN, a halogenated alkyl radical, halogenated alkenyl radical, <u>OCF₃, OCHF₂, halogenated alkoxy radical</u> or halogenated alkenyloxy radical, each having up to 6 carbon atoms,

 Z^1 and Z^2 are each, independently of one another, -CF₂O-, -OCF₂- or a single bond, where $Z^1 \neq Z^2$,

a is 0 or 1, and

A and A are each, independently of one another, $A \longrightarrow A$ $A \longrightarrow A$ A

L¹⁻⁴ are each, independently of one another, H or F, with the proviso that formula IA is not

$$C_nH_{2n+1}$$
 H O F O F CF_2O O F F O F

$$C_nH_{2n+1}$$
 H O CF_2O F

in which n is 1-15.

2. (Currently Amended) Liquid-crystalline medium according to Claim 1, comprising one, two or more compounds of the formulae IA-1, IA-2, IA-4 to IA-17, and IA-19 to IA-30

$$R^2$$
 H O O CF_2O O F $IA-1$

$$R^2$$
 H O O CF_2O O F $IA-2$

$$R^2$$
 H O O CF_2O O O $IA-4$

$$R^2$$
 H O O CF_2O O O $IA-5$

$$R^2$$
 H O O CF_2O O O $IA-6$

$$R^2$$
 H O O CF_2O O O $IA-7$

$$R^2$$
 H O O CF_2O O O O $IA-8$

$$R^2$$
 H O CF_2O O CF_2O IA-9

$$R^2$$
 H O CF_2O O $IA-10$

$$R^2$$
 H O O CF_2O O IA-11

$$R^2$$
 H O O CF_2O O CI $IA-12$

$$R^2$$
 H O CF_2O O CF_3 $IA-13$

$$R^2$$
 H O CF_2O O CF_3 $IA-14$

$$R^2$$
 H O O CF_2O O CF_3 $IA-15$

$$R^2$$
 H O CF_2O O F IA-16

$$R^2$$
 H O CF_2O O F IA-17

$$R^2$$
 H O CF_2O O OCF_3 IA-19

$$R^2$$
 H O F CF_2O O O O $IA-23$

$$R^2$$
 H O F CF_2O O CHF₂ IA-24

$$R^2$$
 H O F CF_2O O IA-25

$$R^2$$
 H O CF_2O CI IA-26

$$R^2$$
 H O F O CF_2O O CI $IA-27$

$$R^2$$
 H O F O CF_2O O CF_3 $IA-28$

$$R^2$$
 H O CF_2O O CF_3 $IA-29$

$$R^2$$
 H O F O CF_2O O CF_3 $IA-30$

in which R² is as defined in Claim 1.

3. (Previously Presented) Liquid-crystalline medium according to Claim 1, comprising one or more compounds of the formulae I-1 to I-5

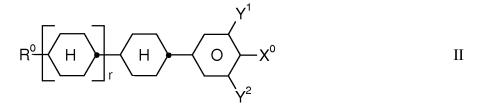
alkenyl—
$$H$$
— (O) alkyl $I-1$

alkenyl—
$$H$$
— O — F

$$(F)$$

in which alkenyl is an alkenyl radical having from 2 to 8 carbon atoms and alkyl is a straight-chain alkyl radical having 1-15 carbon atoms.

4. (Previously Presented) Liquid-crystalline medium according to Claim 1, additionally comprising one or more compounds of the formulae II, III, IV, V and VI



$$R^{0} \longrightarrow H \longrightarrow C_{2}H_{4} \longrightarrow O \longrightarrow X^{0}$$

$$\downarrow^{4} \longrightarrow V^{2}$$

$$\downarrow^{2}$$
III

$$R^0$$
 H O Y^3 Y^1 V Y^0 V

$$R^0 \longrightarrow H \longrightarrow Z^0 \longrightarrow H \longrightarrow V$$

$$R^0$$
 H Z^0 Q X^0 VI

in which the individual radicals have the following meanings:

R⁰ is H, n-alkyl, alkoxy, oxaalkyl, fluoroalkyl, alkenyloxy or alkenyl, each having up to 9 carbon atoms,

X⁰ is F, Cl, halogenated alkyl, alkenyl, alkenyloxy or alkoxy having up to 6 carbon atoms,

$$Z^0$$
 is -C₂F₄-, -CF=CF-, -CH=CF-, -CF=CH-, -C₂H₄-, -CH=CH-,

-O(CH₂)₃-, -(CH₂)₃O-, -(CH₂)₄-, -CF₂O-, -OCF₂-, -OCH₂- or -CH₂O-,

Y¹⁻⁴ are each, independently of one another, H or F,

r is 0 or 1,

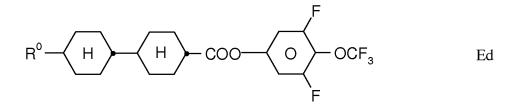
and the compound of the formula II is not identical with the compound of the formula I.

- 5. (Previously Presented) Liquid-crystalline medium according to Claim 4, wherein the proportion of compounds of the formulae IA and I to VI together in the mixture as a whole is at least 50% by weight.
- 6. (Previously Presented) Liquid-crystalline medium according to Claim 1, additionally comprising one or more compounds of the formulae Ea to Ef

$$R^0$$
 H COO O F Ea

$$R^0$$
 H COO O F Ec

$$R^0$$
 H COO O OCF_3 Eb



$$R^0$$
 H O COO O F Ee

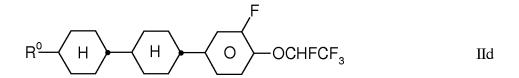
$$R^0$$
 H O COO O OCF_3 Ef

in which R⁰ is H, n-alkyl, alkoxy, oxaalkyl, fluoroalkyl, alkenyloxy or alkenyl, each having up to 9 carbon atoms.

7. (Previously Presented) Liquid-crystalline medium according to Claim 1, comprising one or more compounds of the formulae IIa to IIg

$$R^{0}$$
 H O F IIa

$$R^0$$
 H O F $IIIb$



$$R^0$$
 H O OCHFCF₃ IIe

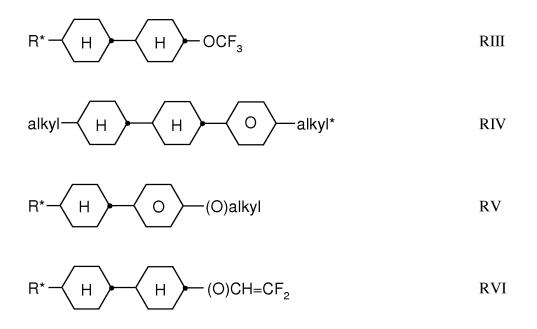
$$R^0$$
 H O $OCHF_2$ IIf

in which R⁰ is H, n-alkyl, alkoxy, oxaalkyl, fluoroalkyl, alkenyloxy or alkenyl, each having up to 9 carbon atoms.

8. (Previously Presented) Liquid-crystalline medium according to Claim 1, it additionally comprising one or more compounds of the formulae RI to RVII

$$R^* \longrightarrow H \longrightarrow (O)$$
alkyl RI

$$R^* - H - CF_3$$
 RII



 $R^* \longrightarrow H \longrightarrow (O)CF = CF_2$ RVII

in which

R* is n-alkyl, alkoxy, oxaalkyl, fluoroalkyl or alkenyloxy, each having up to 9 carbon atoms, and

alkyl and

alkyl* are each, independently of one another, a straight-chain or branched alkyl radical having 1-9 carbon atoms.

- 9. (Previously Presented) Liquid-crystalline medium according to Claim 1, wherein the proportion of compounds of the formula IA in the mixture as a whole is from 5 to 40% by weight.
- 10. (Canceled).
- 11. (Original) Electro-optical liquid-crystal display containing a liquid-crystalline medium according to Claim 1.

- 12. (New): A liquid crystal medium according to claim 1, wherein said medium has a nematic phase down to -40°C, a clearing point above 75°C, and a dielectric anisotropy values $\Delta \varepsilon$ of ≥ 6 .
- 13. (New): A liquid crystal medium according to claim 1, wherein said medium has a flow viscosity v_{20} at 20°C of < 19 mm²·s⁻¹, a rotational viscosity γ_1 at 20°C of < 120 mPa·s, and a nematic phase range of at least 110°.
- 14. (New): A liquid crystal medium according to claim 2, wherein said medium contains one or more compounds selected from formulae IA-2, IA-5, IA-6, IA-14, and IA-15.
- 15. (New): A liquid crystal medium according to claim 2, wherein said medium contains one or more compounds selected from formula IA-15.
- 16. (New) Liquid-crystalline medium according to Claim 1, wherein said medium contains one or more compounds selected from formulae IA-31 to IA-54:

$$R^2$$
 H O O CF_2O O F IA-31

$$R^2$$
 H O O CF_2O O F $IA-32$

$$R^2$$
 H O O CF_2O O F IA-33

$$R^2$$
 H O CF_2O O OCF_3 IA-34

$$R^2$$
 H O O CF_2O O F $IA-37$

$$R^2 \longrightarrow O \longrightarrow CF_2O \longrightarrow F$$
 IA-38

$$R^2$$
 H O O CF_2O O F $IA-39$

$$R^2$$
 H O CF_2O O OCF_3 IA-40

$$R^2$$
 H O CF_2O O O OCF₃ IA-41

$$R^2$$
 H O CF_2O O F IA-43

$$R^2$$
 H O O CF_2O O F $IA-44$

$$R^2$$
 H O O CF_2O O F $IA-45$

$$R^2$$
 H O CF_2O O F IA-49

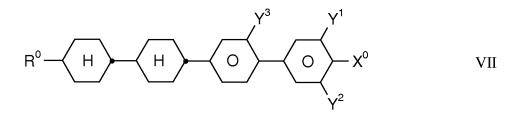
$$R^2$$
 H O O CF_2O O F $IA-50$

$$R^2$$
 H O O CF_2O O F IA-51

$$R^2$$
 H O CF_2O O OCF_3 IA-52

17. (New) Liquid-crystalline medium according to Claim 2, wherein R² in formulae IA and IA-1, IA-2, IA-4 to IA-17, and IA-19 to IA-30 is H, straight-chain alkyl having from 1 to 7 carbon atoms, 1E-alkenyl or 3-alkenyl.

- 18. (New) Liquid-crystalline medium according to Claim 16, wherein R² in formulae IA and IA-31 to IA-54 is H, straight-chain alkyl having from 1 to 7 carbon atoms, 1E-alkenyl or 3-alkenyl.
- 19. (New) Liquid-crystalline medium according to Claim 1, wherein said medium additionally comprises one or more compounds selected from formulae VII to XIII



$$R^0$$
 H C_2H_4 O $VIII$

$$R^0$$
 H O Y^3 Y^1 Y^0 IX

$$R^0 \longrightarrow H \longrightarrow C_2H_4 \longrightarrow O \longrightarrow X^0 \qquad X$$

$$R^0$$
 H C_2H_4 H O XI

$$R^0$$
 H H O XII

$$R^0$$
 H O O $XIII$

in which

R⁰ is H, n-alkyl, alkoxy, oxaalkyl, fluoroalkyl, alkenyloxy or alkenyl, each having up to 9 carbon atoms,

X⁰ is F, Cl, or halogenated alkyl, halogenated alkenyl, halogenated alkenyloxy, or halogenated alkoxy, each having up to 6 carbon atoms,

 Y^1 and Y^2 are each, independently of one another, H or F, and

 Y^3 and Y^4 are each, independently of one another, H or F.

20. (New) Liquid-crystalline medium according to Claim 6, wherein the proportion of the compounds of the formulae Ea to Ef is 10-30% by weight.